

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11322 - L2 Version 2
Chandra X-Ray Center

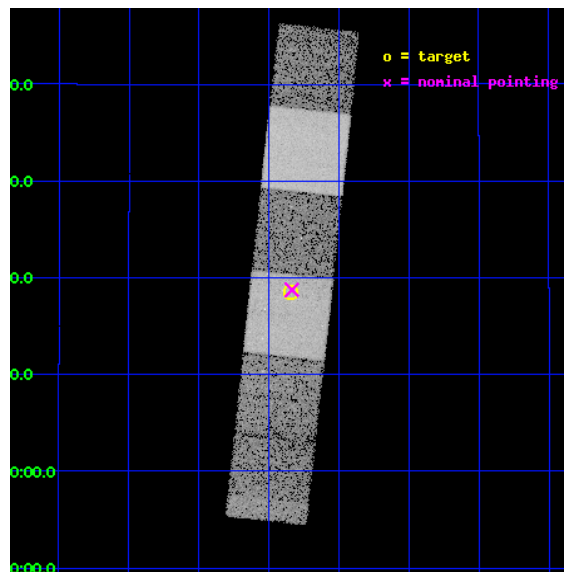
L2 Processing Date : Jun 22 2012

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1 Front

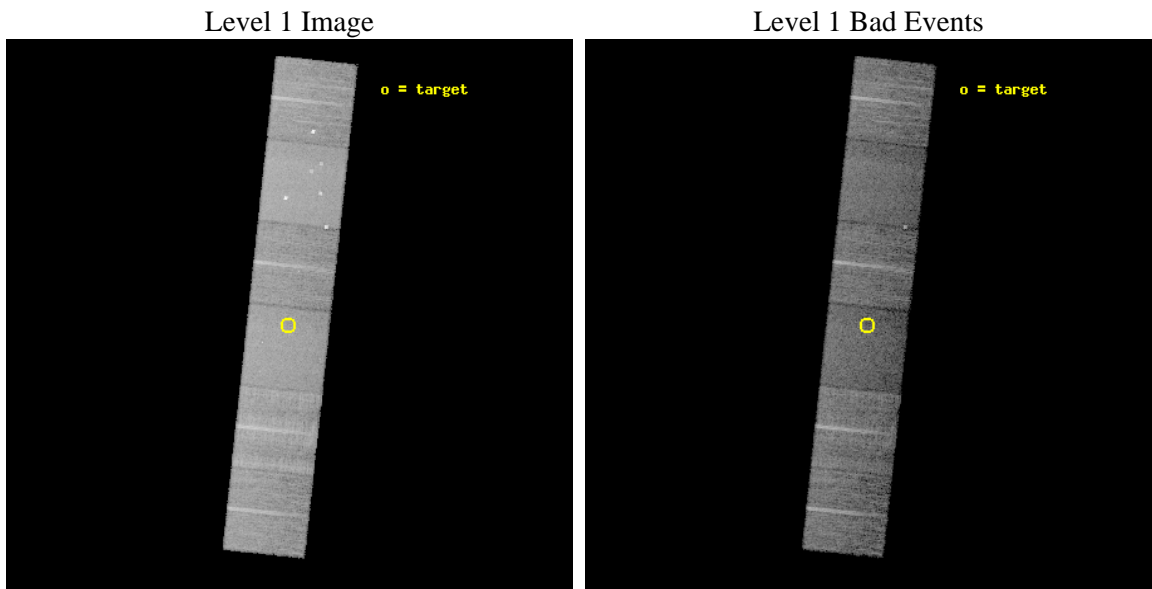
seq_num	600841	Sequence number
obs_id	11322	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC042737	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.712	Observer's specified target RA [deg]
dec_targ	12.30875	Observer's specified target Dec [deg]
ra_nom	190.70892252607	Nominal RA [deg]
dec_nom	12.312579080955	Nominal Dec [deg]
roll_nom	96.202309295717	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10758.399959981	Sum of GTIs [s]
liveltime	10622.170621757	Livetime [s]
ontime4	10755.158939719	Sum of GTIs [s]
ontime5	10758.372439206	Sum of GTIs [s]
ontime6	10758.331399202	Sum of GTIs [s]
ontime7	10758.399959981	Sum of GTIs [s]
ontime8	10751.808328509	Sum of GTIs [s]
ontime9	10755.008298874	Sum of GTIs [s]
l2events	141487	Number of level 2 events



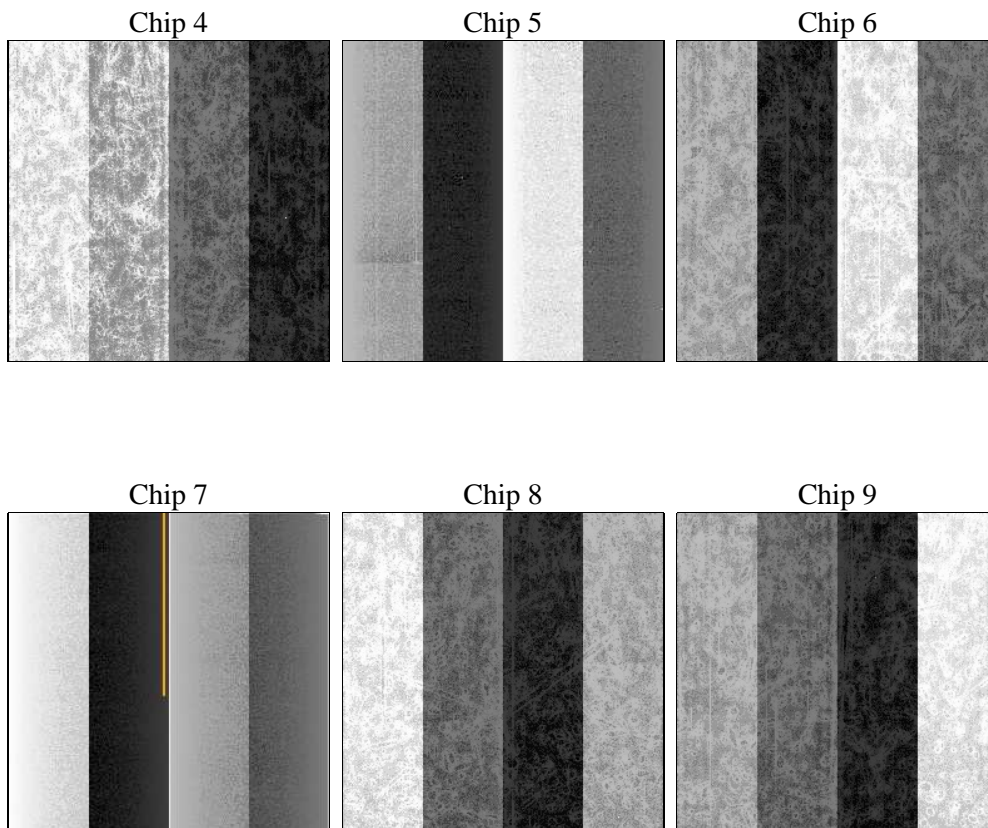
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10758.399959981	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	10755.158939719	Sum of GTIs [s]
date	2012-06-22T03:31:05	Date and time of file creation	ontime5	10758.372439206	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10758.331399202	Sum of GTIs [s]
			ontime7	10758.399959981	Sum of GTIs [s]
			ontime8	10751.808328509	Sum of GTIs [s]
			ontime9	10755.008298874	Sum of GTIs [s]
			l1events	636465	Number of level 1 events

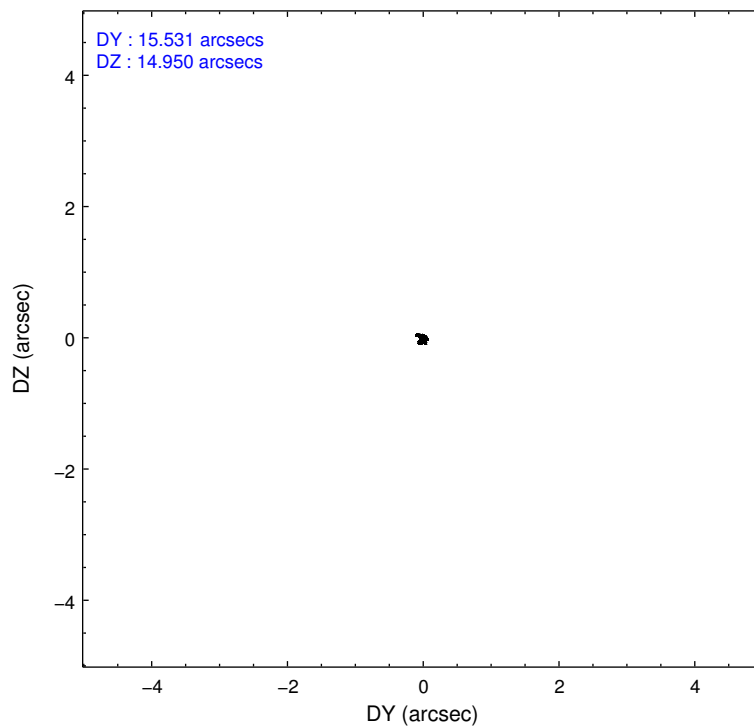
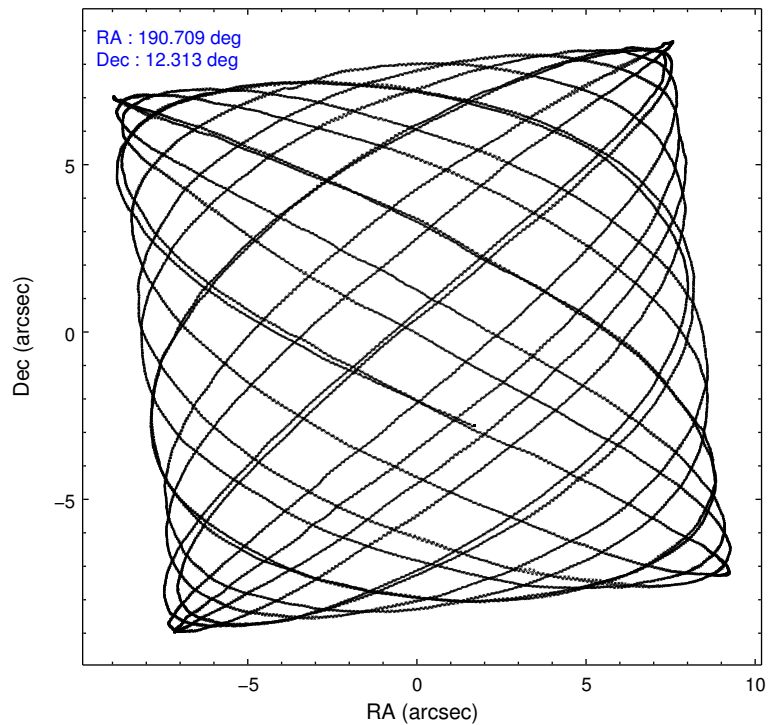
2.1.4 Events

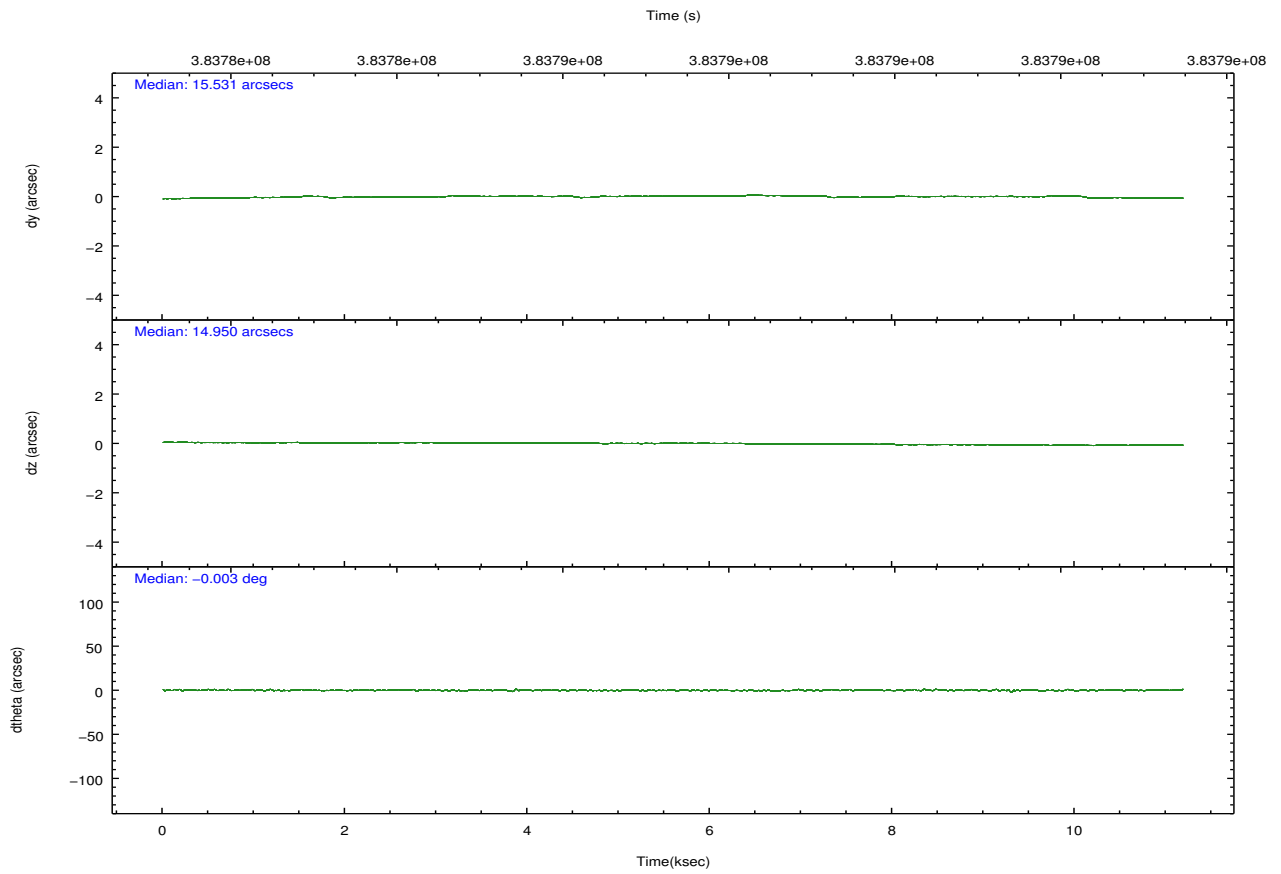
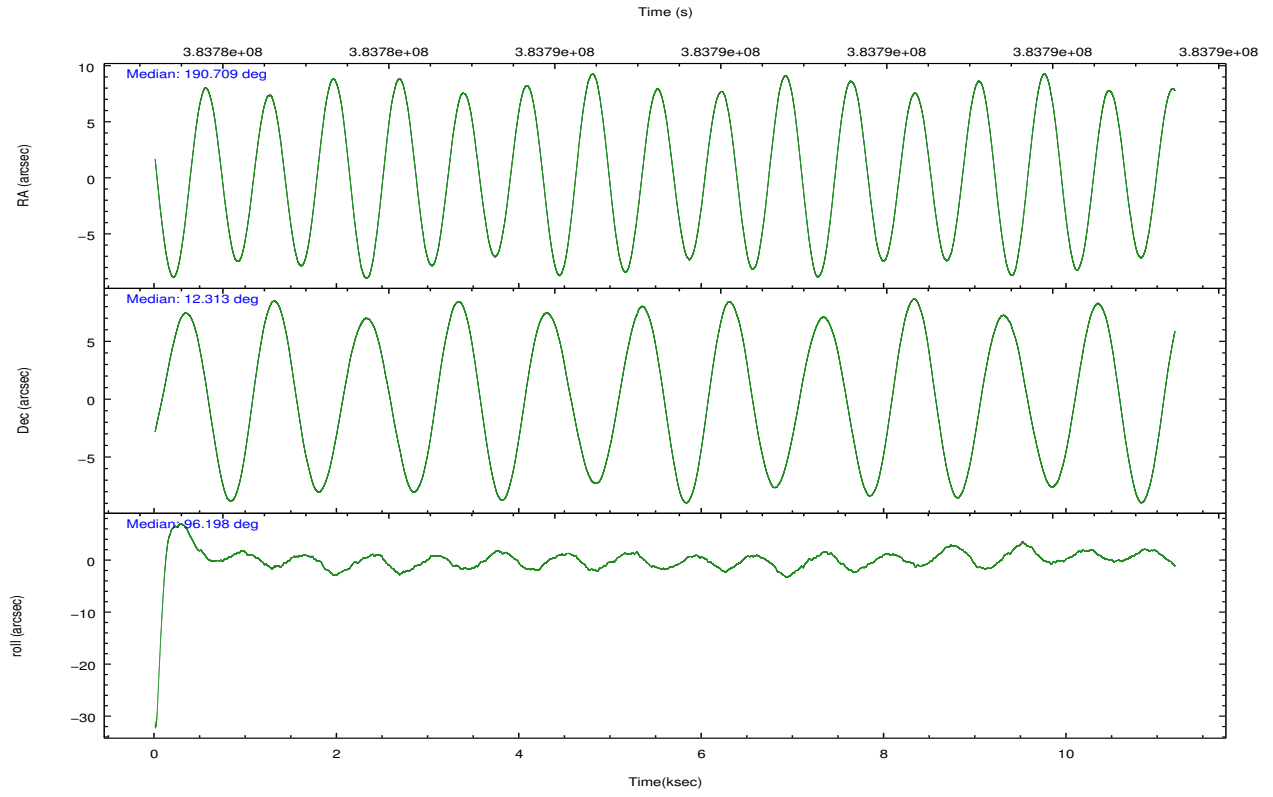
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	103053	133825	88004	105886	119095	86602	grade 0 events	6389	8840	3533	4513	8857	4089
rejected events	90430	66224	78359	58148	88603	76098		6%	6%	4%	4%	7%	4%
rejected %	87%	49%	89%	54%	74%	87%	grade 1 events	103	453	43	141	99	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	2449	19418	2069	9764	7013	2182
								2%	14%	2%	9%	5%	2%
							grade 3 events	1097	2684	1016	4281	3366	1088
								1%	2%	1%	4%	2%	1%
							grade 4 events	996	2574	1000	4183	3128	1020
								0%	1%	1%	3%	2%	1%
							grade 5 events	3829	10083	3690	10849	5544	4222
								3%	7%	4%	10%	4%	4%
							grade 6 events	1694	34109	2027	25027	8138	2128
								1%	25%	2%	23%	6%	2%
							grade 7 events	86496	55664	74626	47128	82950	71815
								83%	41%	84%	44%	69%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	190.725784	190.7089225260748	CCD I2 on	N	N
[deg] Pointing Dec	12.290740	12.31257908095525	CCD I3 on	N	N
[deg] Pointing Roll	96.042084	96.20230929571683	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	383781922.184000	383781462.20698	CCD S5 on	O2	Y
Observation start date	2010-02-28T22:04:16	2010-02-28T21:57:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	383792922.184000	383793452.14509	On-chip summing requested	N	N
Observation end date	2010-03-01T01:07:36	2010-03-01T01:17:32	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



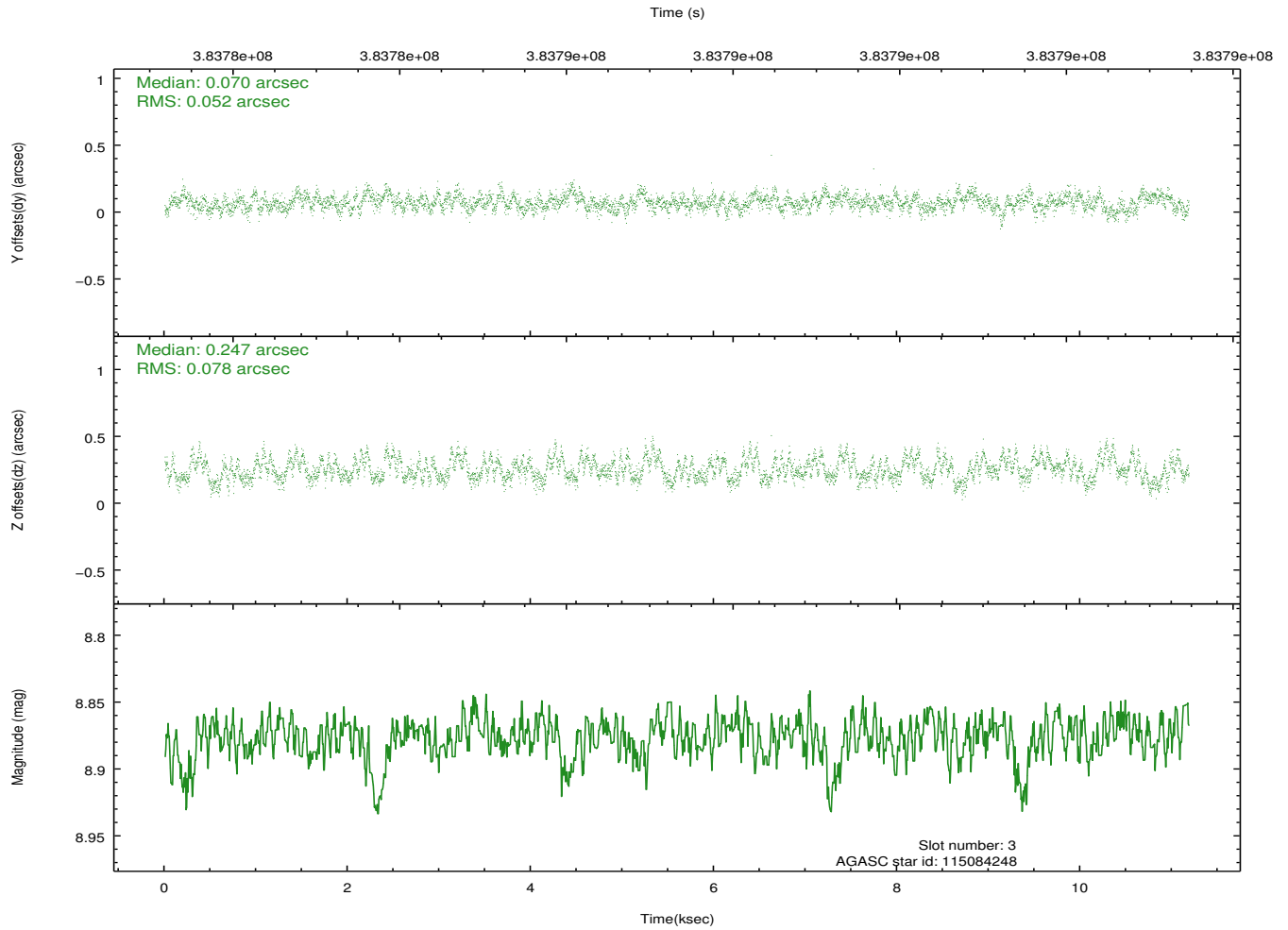
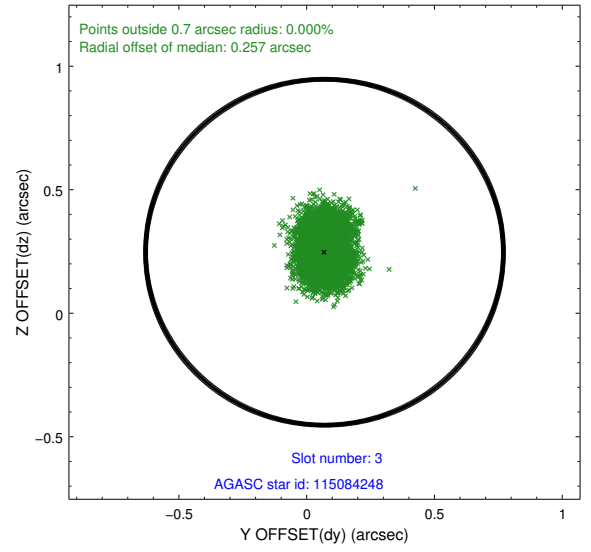
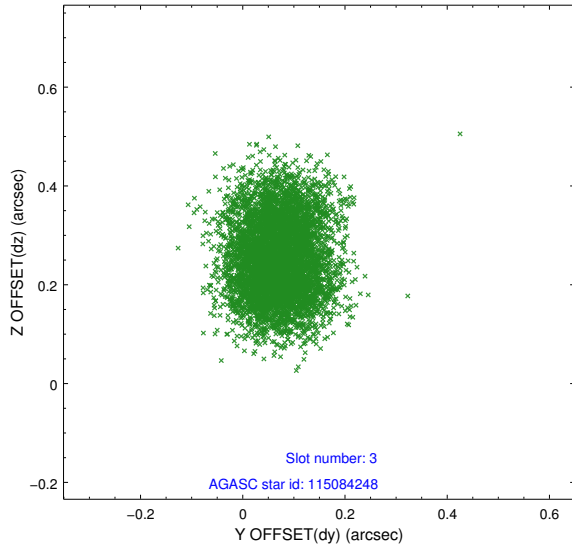


Slot Statistics

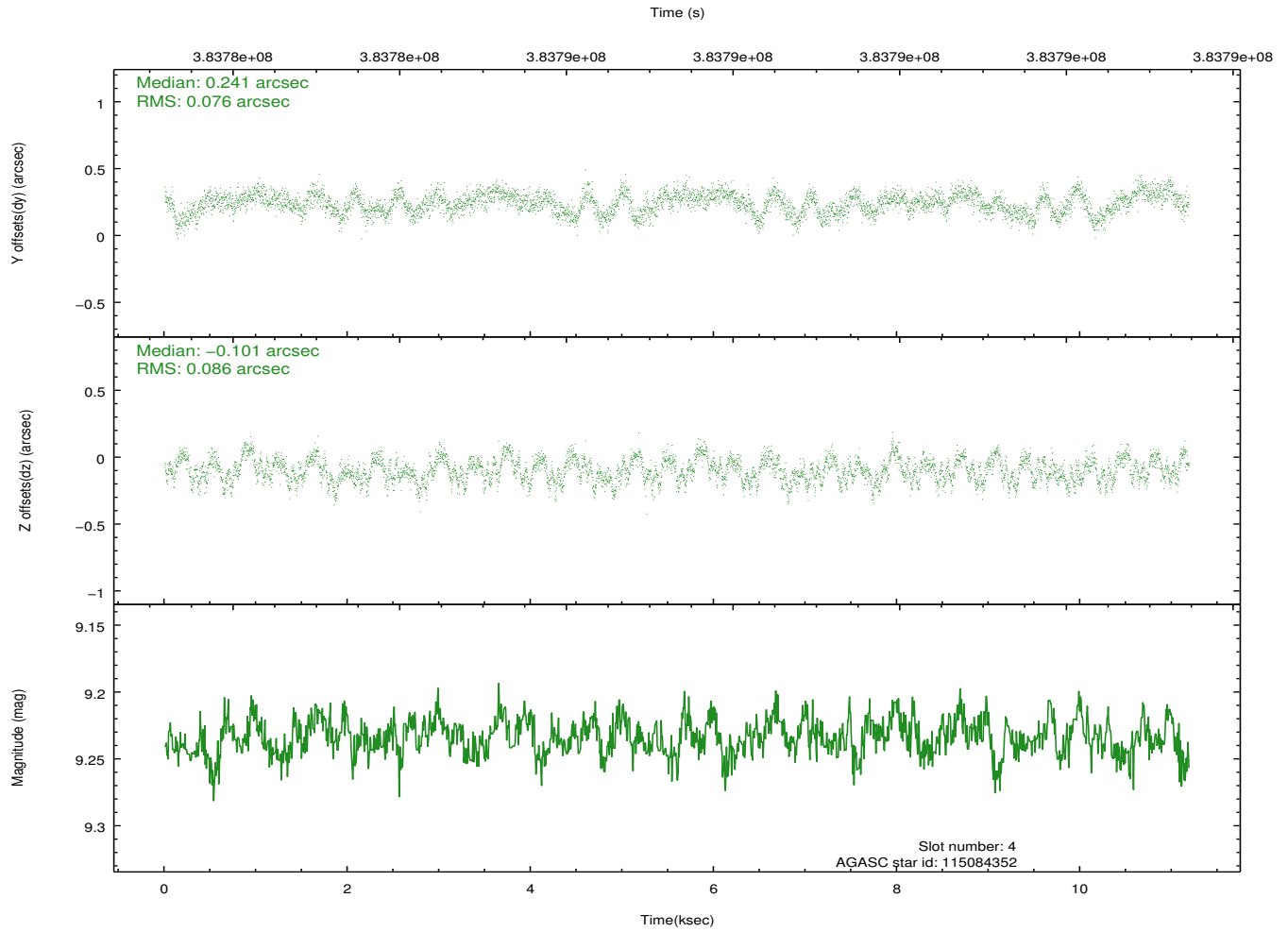
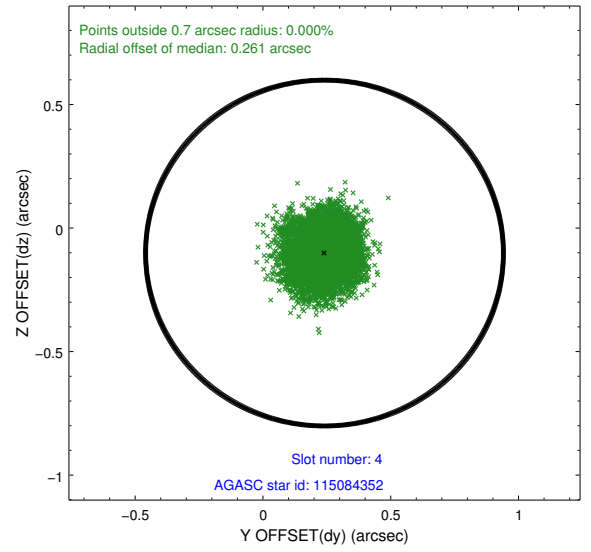
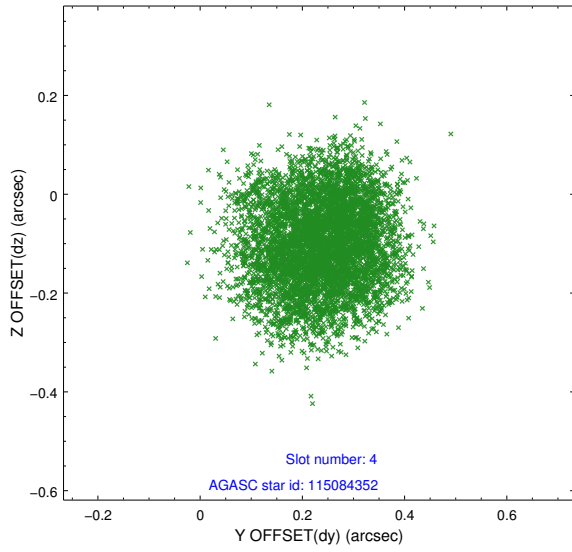
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2728	-0.111	-0.066	0.006	0.015	0.000000	0.000000	-768.64	-1736.37
1	FID	ACIS-S-4	7.01	2728	0.124	0.060	0.007	0.012	0.000000	0.000000	2144.69	171.73
2	FID	ACIS-S-6	7.15	2728	-0.041	0.013	0.007	0.014	0.000000	0.000000	394.03	809.62
3	GUIDE	115084248	8.88	5451	0.070	0.247	0.100	0.162	191.376307	11.903207	-1625.53	-2132.16
4	GUIDE	115084352	9.23	5447	0.241	-0.101	0.126	0.190	190.760225	11.783180	-1830.83	71.71
5	GUIDE	115477056	9.42	5454	-0.025	0.219	0.124	0.237	191.137929	12.866912	1911.66	-1656.40
6	GUIDE	115477424	9.24	5451	-0.064	-0.008	0.090	0.144	190.783230	12.743104	1598.66	-371.93
7	GUIDE	115482240	7.32	5452	-0.219	-0.369	0.068	0.110	190.182782	12.715426	1723.20	1735.30

2.4 Star Slots

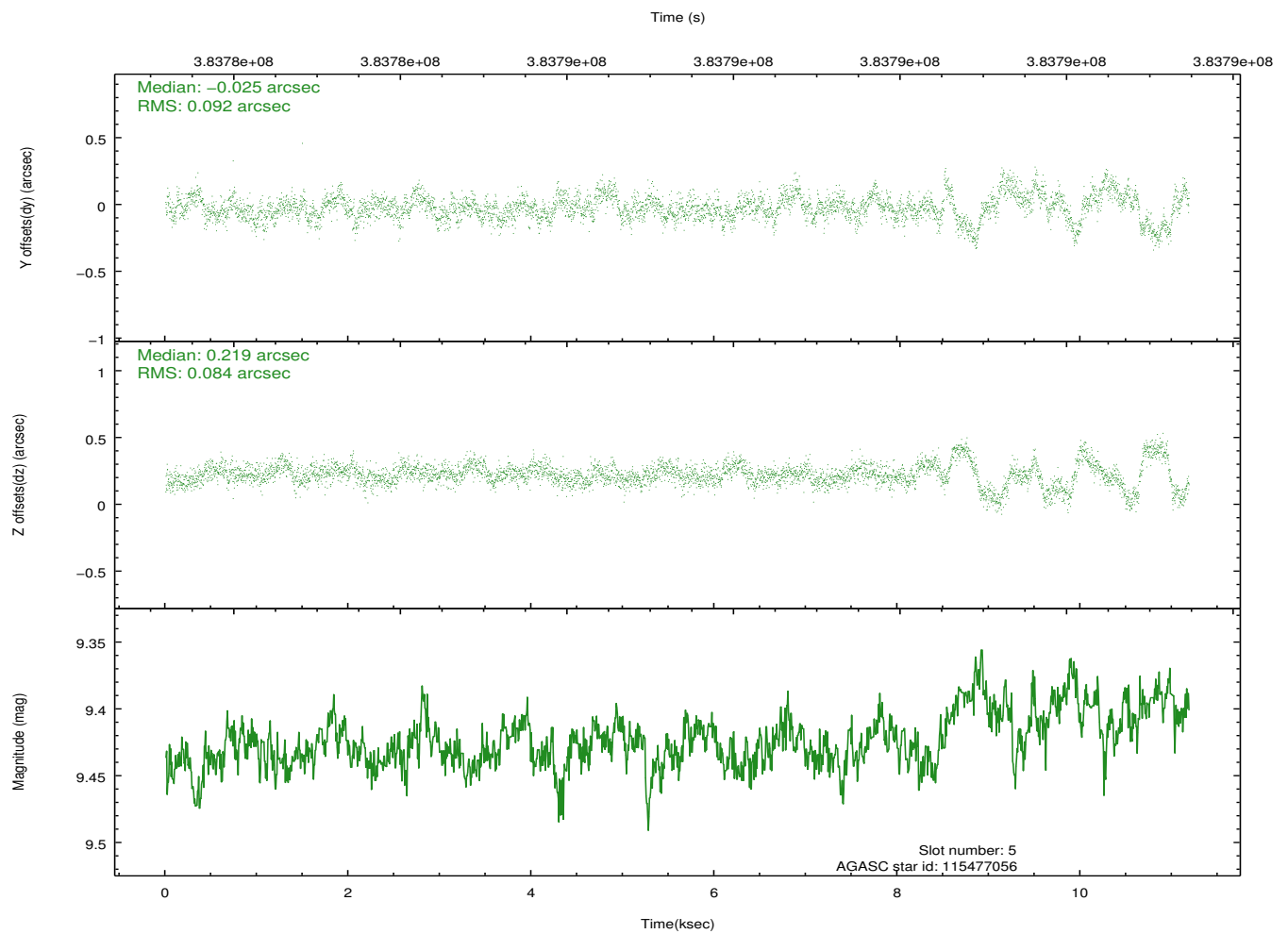
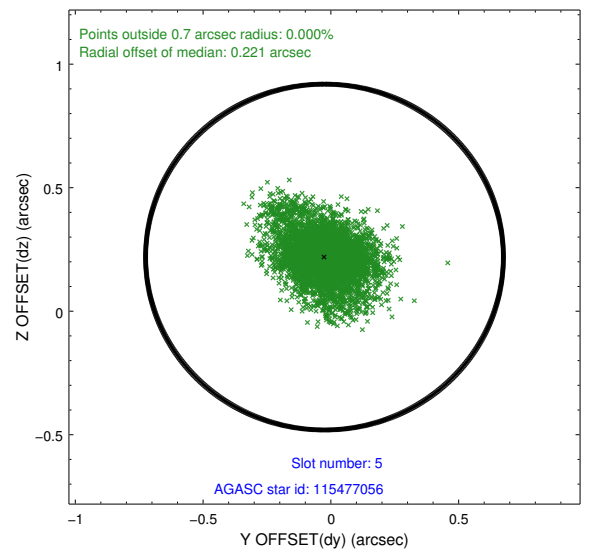
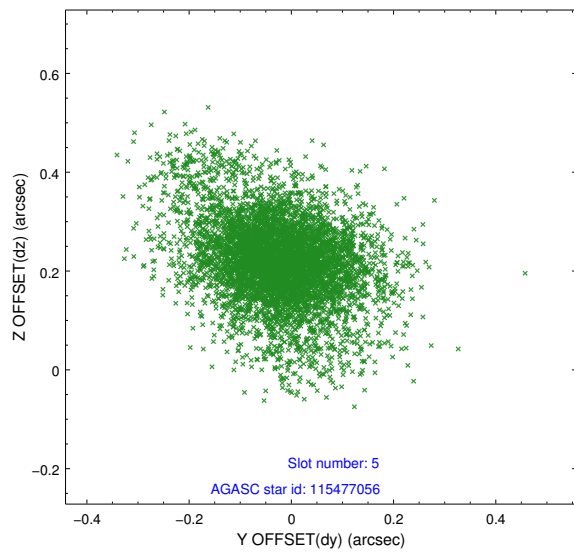
2.4.1 Slot 3



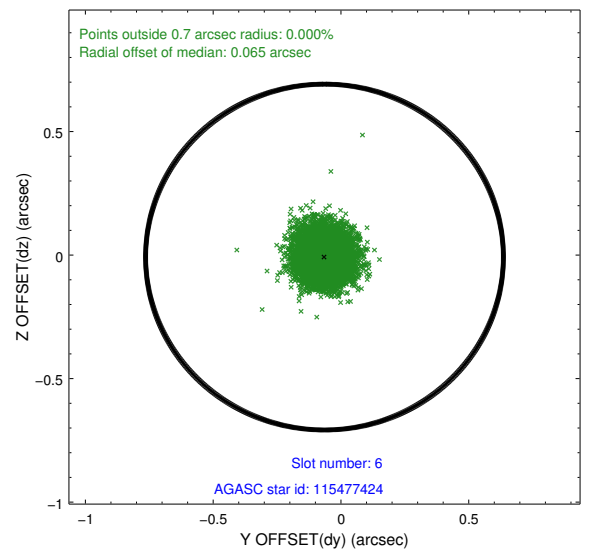
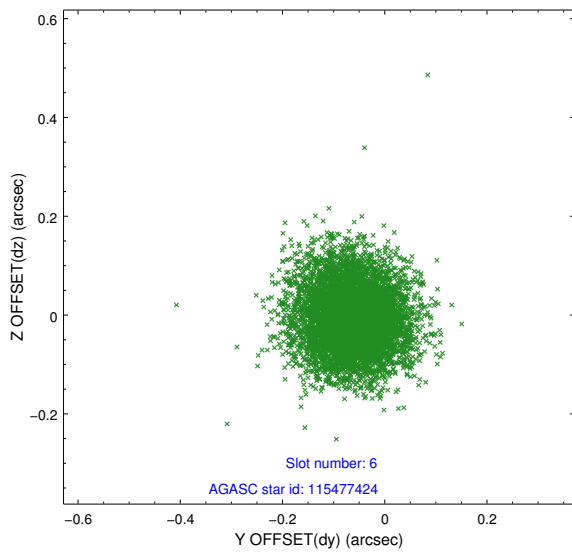
2.4.2 Slot 4



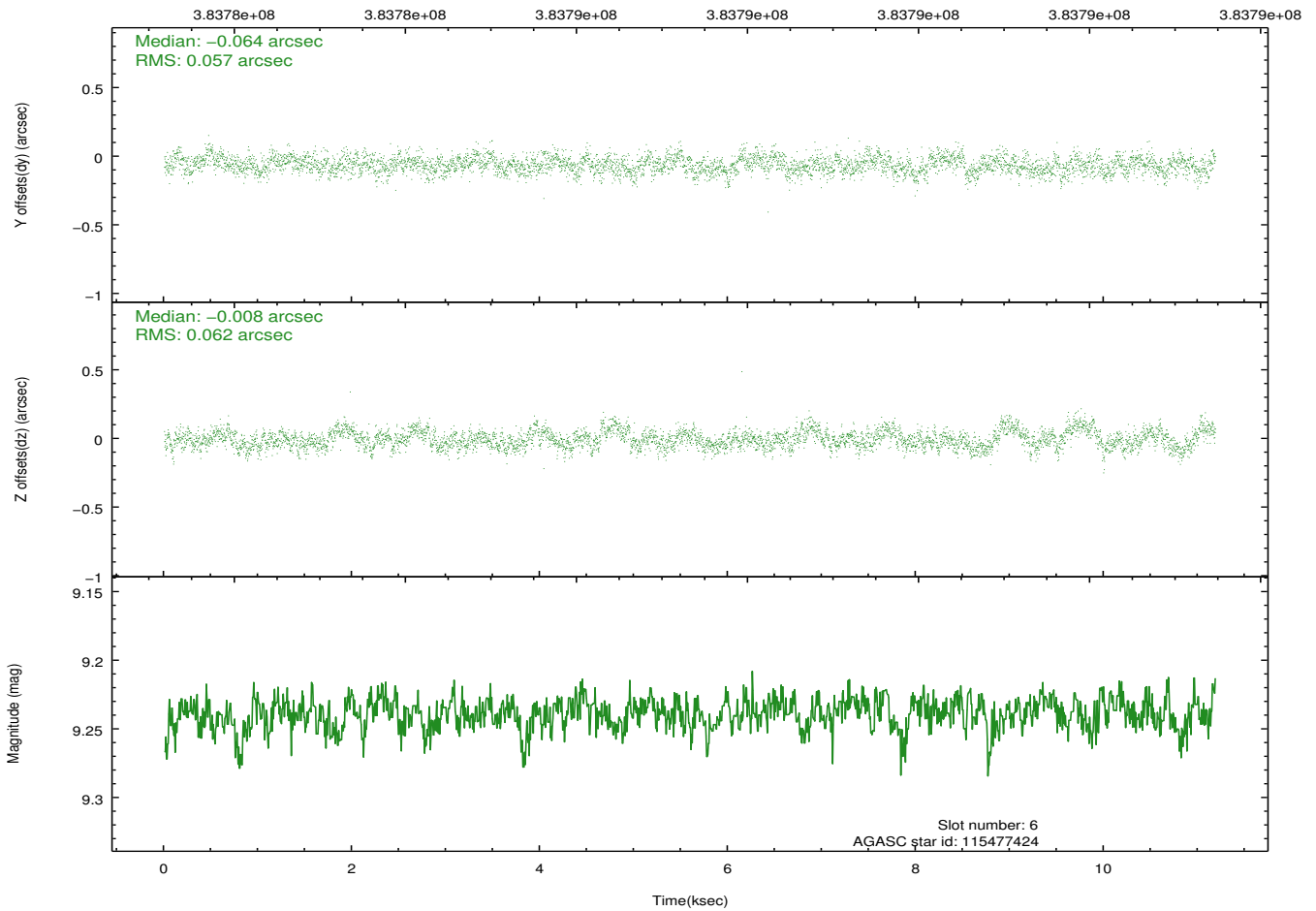
2.4.3 Slot 5



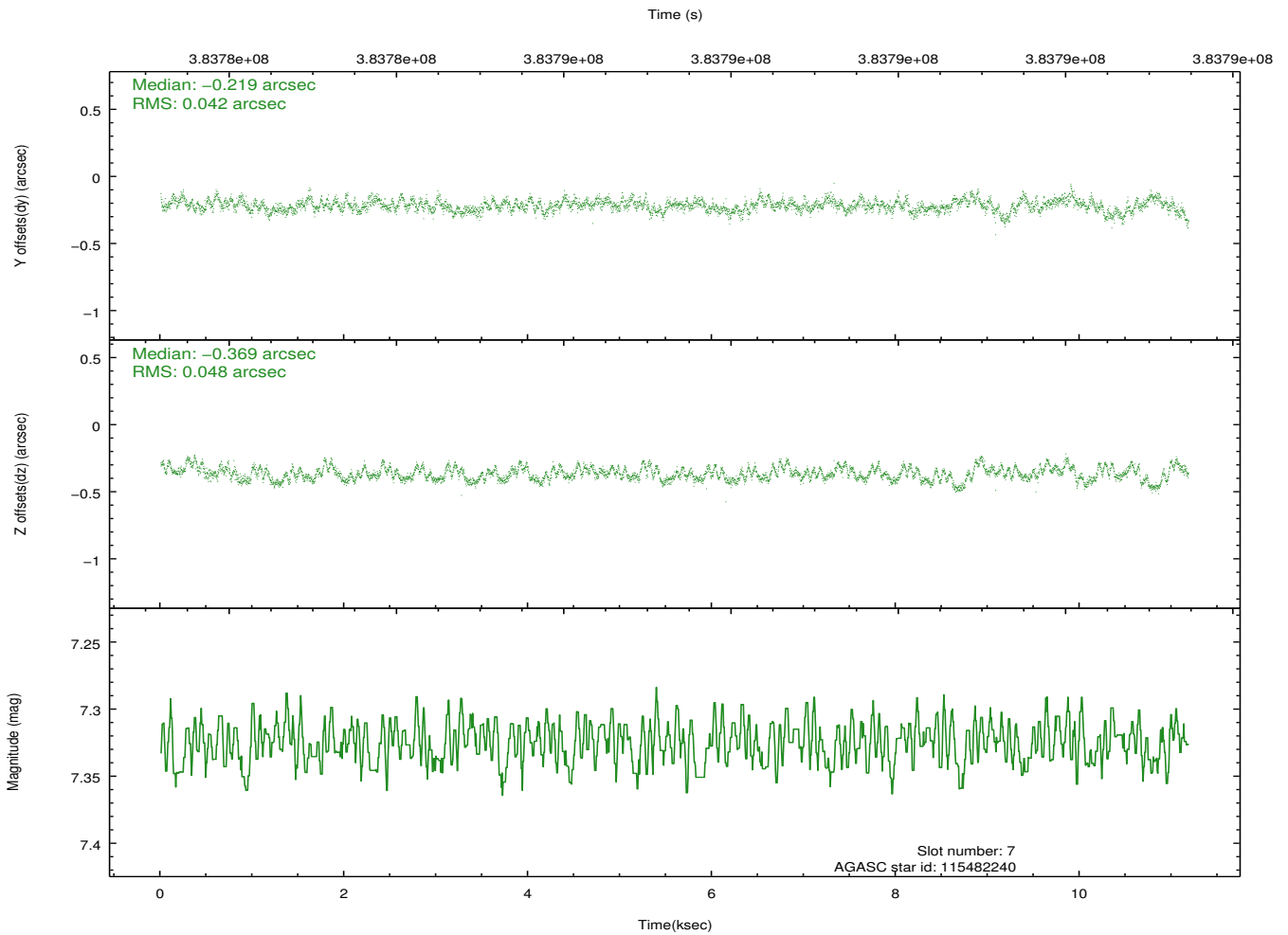
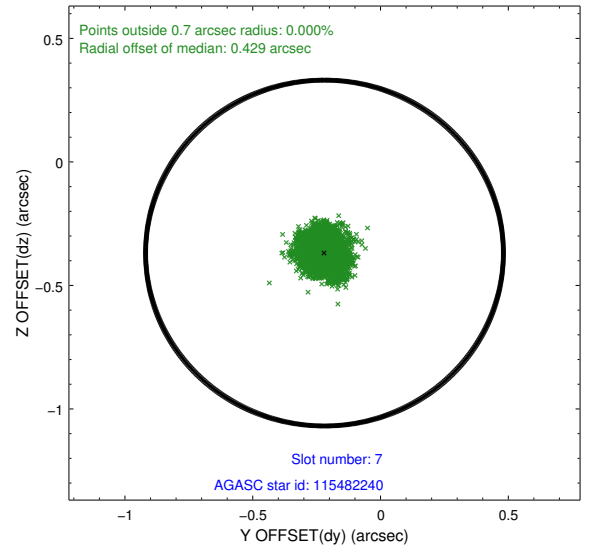
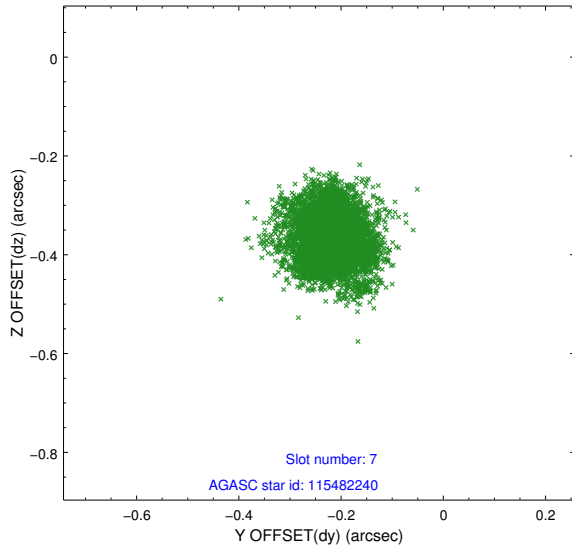
2.4.4 Slot 6



Time (s)

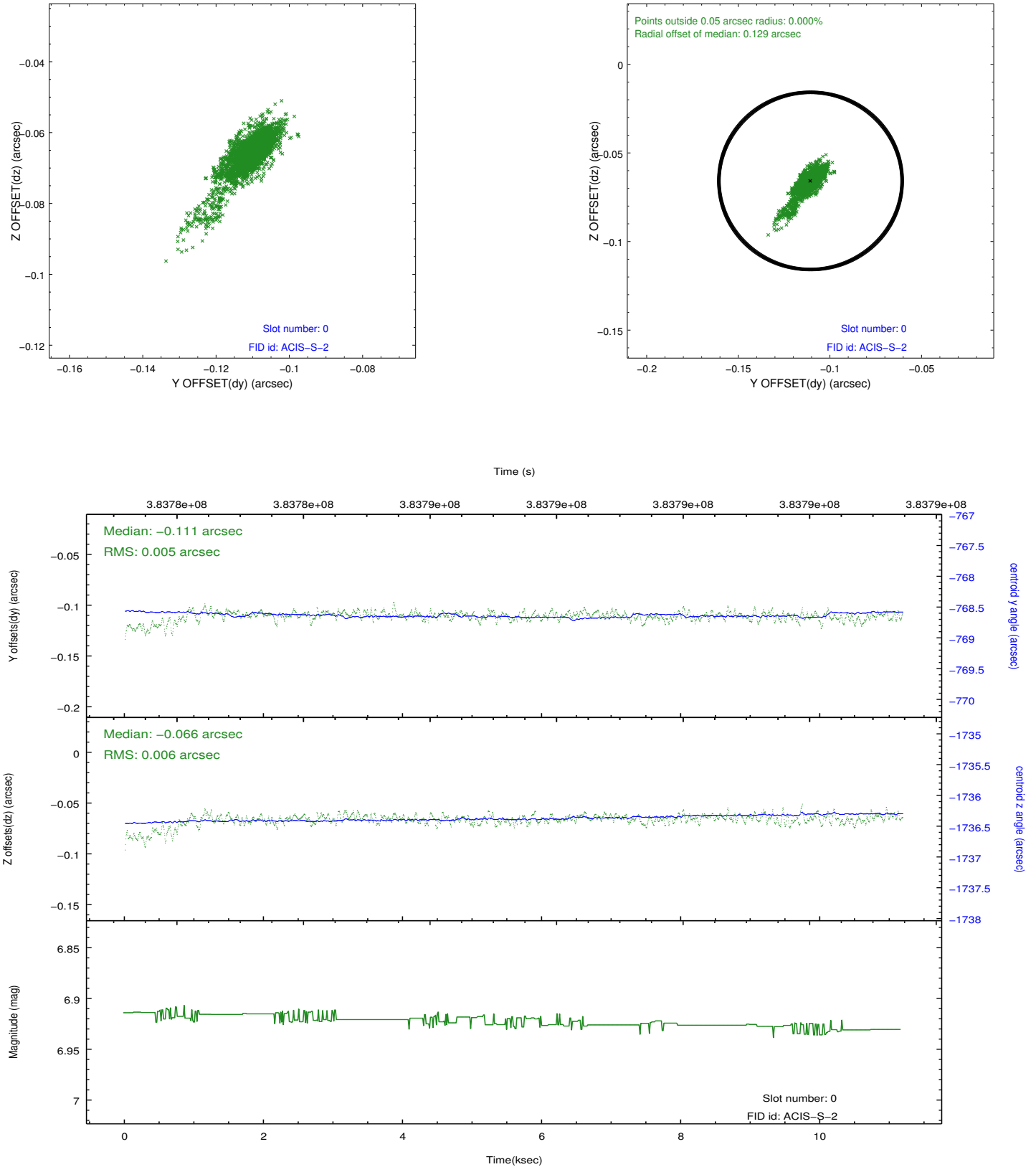


2.4.5 Slot 7

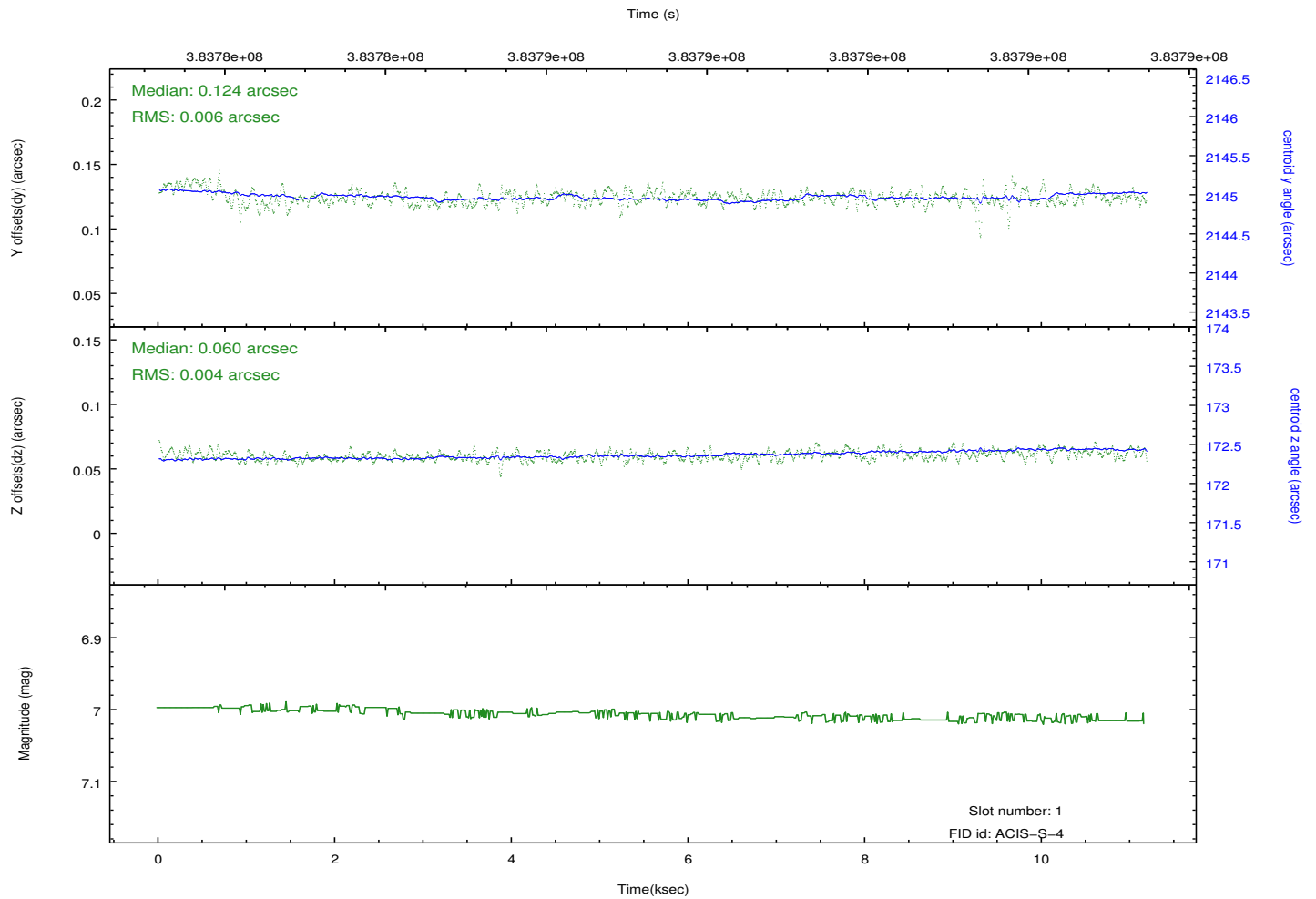
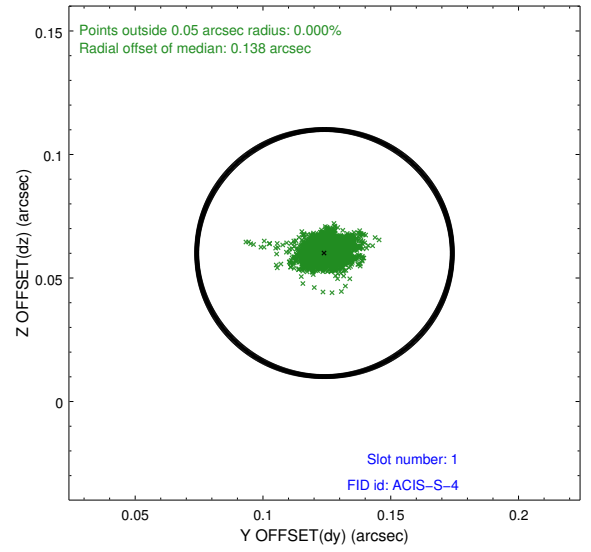
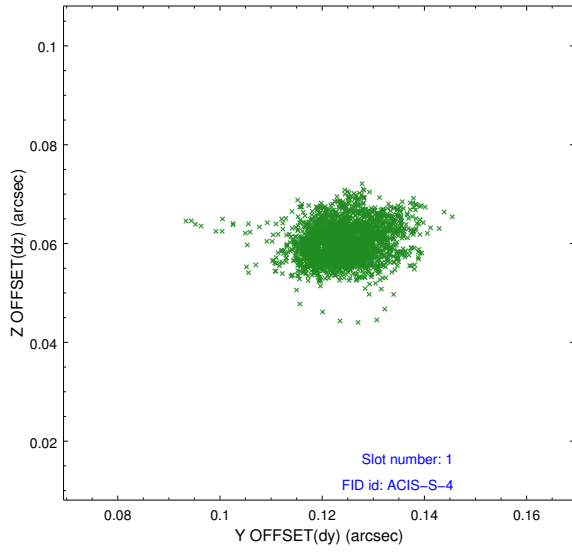


2.5 FID Slots

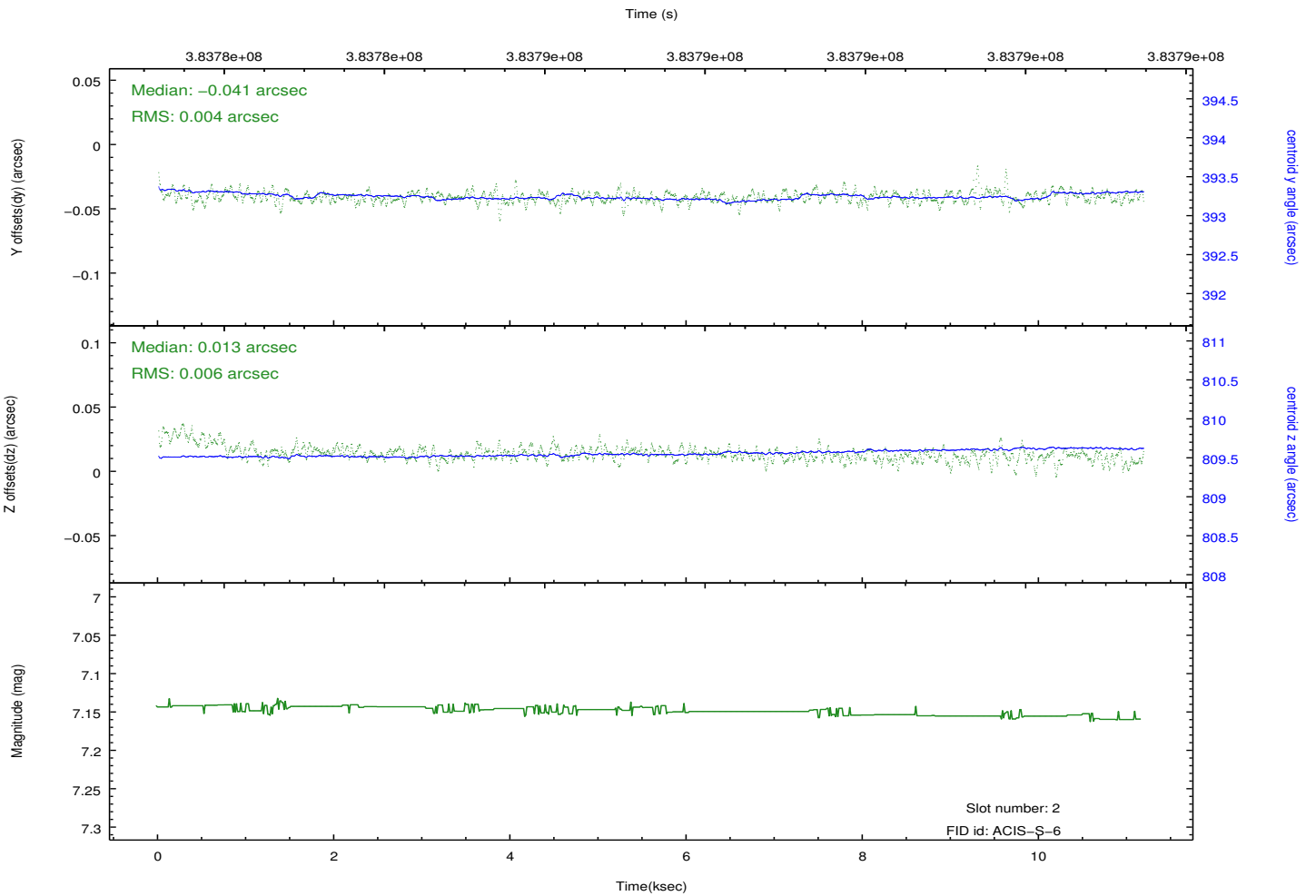
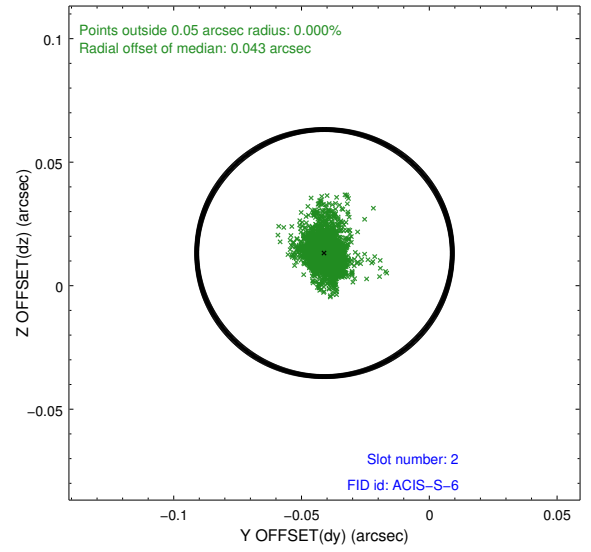
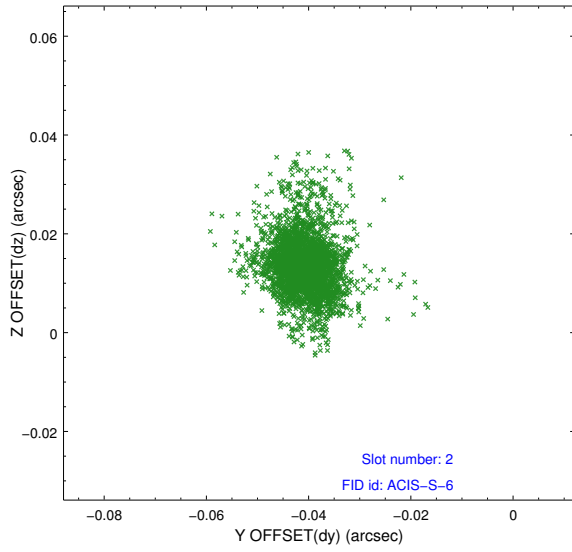
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.758399959981

A.2 Comments